

TABLE I
ANALYTICAL RESULTS OF
ULF2 RETURN GRAB SAMPLE CONTAINER AIR SAMPLES

| CHEMICAL CONTAMINANT | CONCENTRATION (mg/m ³) | | | | | | | | | | | | | | | | | |
|--|--|--|--|--|--|---|--|--|--|---|--|---|--|--|---|---|--|--------|
| | AA04606 SN 1099 IAR 06/18/08 @ 17:20 GMT | AA04607 SN 1084 JFM 06/18/08 @ 17:23 GMT | AA04608 SN 1084 JFM 06/18/08 @ 17:27 GMT | AA04609 SN 1090 JFM 06/18/08 @ 19:57 GMT | AA04610 SN 1073 IAR 07/18/08 @ 20:00 GMT | AA04611 SN 1082 SM 07/18/08 @ 20:03 GMT | AA04612 SN 1089 IAR 08/12/08 @ 16:08 GMT | AA04613 SN 1057 IAR 08/12/08 @ 16:11 GMT | AA04614 SN 1079 JFM 08/12/08 @ 16:15 GMT | AA04615& SN 1079 IAR 09/29/08 @ 16:50 GMT | AA04616 SN 1010 COJUMBA 09/29/08 @ 16:55 GMT | AA04617 SN 1048 SM 10/22/08 @ 17:07 GMT | AA04618 SN 1011 JFM 10/22/08 @ 10:40 GMT | AA04619 SN 1078 IAR 10/22/08 @ 10:42 GMT | AA04620 SN 1031 SM 10/22/08 @ 10:45 GMT | AA04621 SN 1003 MPLM 11/17/08 @ 23:38 GMT | AA04623 SN 1050 IAR 11/17/08 @ 20:20 GMT | |
| TARGET COMPOUNDS (TO-14/POLAR)*** | | | | | | | | | | | | | | | | | | |
| FREON12 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | |
| CHLOROMETHANE | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | |
| FREON114 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | |
| METHANOL | 0.19 | 0.40 | 0.19 | 0.20 | 0.19 | 0.43 | 0.18 | 0.21 | 0.24 | 0.16 | 0.21 | 0.24 | 0.36 | 0.41 | 0.26 | 0.22 | 0.71 | |
| ACETALDEHYDE | 0.073 | 0.23 | 0.063 | 0.48 | 0.060 | 0.093 | 0.32 | 0.080 | 0.12 | 0.04 | 0.070 | 0.074 | 0.14 | 0.16 | 0.13 | 0.069 | 0.090 | |
| VINYLCHLORIDE | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | |
| BROMOMETHANE | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | |
| ETHANOL* | 6.8 | 4.1 | 9.6 | 3.0 | 2.8 | 2.9 | 6.2 | 6.8 | 5.7 | 5.0 | 4.3 | 4.5 | 7.2 | 8.3 | 7.4 | 5.5 | 2.9 | |
| CHLOROETHANE | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | |
| ACETONITRILE | TRACE | TRACE | TRACE | TRACE | TRACE | TRACE | TRACE | TRACE | TRACE | TRACE | TRACE | TRACE | TRACE | TRACE | TRACE | TRACE | TRACE | |
| PROPENAL | <0.050 | TRACE | <0.050 | TRACE | <0.050 | TRACE | <0.050 | TRACE | <0.050 | TRACE | <0.050 | TRACE | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | |
| ACETONE | 0.18 | 0.19 | 0.17 | 0.45 | 0.13 | 0.16 | 0.21 | 0.21 | 0.19 | 0.18 | 0.17 | 0.18 | 0.32 | 0.37 | 0.32 | 0.26 | 0.26 | |
| PROPANAL | TRACE | 0.065 | TRACE | 0.24 | TRACE | 0.10 | TRACE | TRACE | TRACE | TRACE | TRACE | TRACE | TRACE | TRACE | TRACE | TRACE | TRACE | |
| ISOPROPANOL* | 0.12 | 0.11 | 0.11 | 0.12 | 0.10 | 0.11 | 0.14 | 0.16 | 0.18 | 0.17 | 0.17 | 0.16 | 0.19 | 0.21 | 0.16 | 1.4 | 0.13 | |
| FREON11 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | |
| FURAN | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | |
| ACRYLONITRILE | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | |
| PENTANE | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | TRACE | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | |
| 2-METHYL-2-PROPANOL | <0.050 | <0.050 | <0.050 | TRACE | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | |
| METHYLACETATE | TRACE | TRACE | TRACE | TRACE | <0.050 | <0.050 | TRACE | <0.050 | TRACE | <0.050 | TRACE | TRACE | TRACE | TRACE | TRACE | TRACE | TRACE | |
| 1,1-DICHLOROETHENE | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | |
| DICHLOROMETHANE | TRACE | TRACE | TRACE | TRACE | TRACE | TRACE | TRACE | TRACE | TRACE | TRACE | TRACE | TRACE | TRACE | TRACE | TRACE | TRACE | TRACE | |
| 3-CHLOROPROPENE | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | |
| FREON113 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | |
| N-PROPANOL | TRACE | TRACE | TRACE | TRACE | TRACE | TRACE | TRACE | TRACE | TRACE | TRACE | TRACE | TRACE | TRACE | TRACE | TRACE | TRACE | TRACE | |
| 1,1-DICHLOROETHANE | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | |
| BUTANAL | TRACE | TRACE | TRACE | 0.15 | TRACE | TRACE | 0.061 | TRACE | TRACE | TRACE | TRACE | TRACE | TRACE | TRACE | TRACE | TRACE | TRACE | |
| 2-BUTANONE | TRACE | TRACE | TRACE | 0.15 | TRACE | TRACE | 0.061 | TRACE | TRACE | TRACE | TRACE | TRACE | TRACE | TRACE | TRACE | TRACE | 0.37 | TRACE |
| CIS-1,2-DICHLOROETHENE | <0.050 | <0.050 | <0.050 | TRACE | TRACE | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| 2-METHYLFLUORAN | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | |
| ETHYLACETATE | 0.055 | TRACE | 0.059 | 0.084 | 0.099 | 0.12 | TRACE | TRACE | TRACE | 0.089 | TRACE | TRACE | TRACE | TRACE | TRACE | TRACE | 0.055 | TRACE |
| HEXANE | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | TRACE | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| CHLOROFORM | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| 2-BUTENAL | TRACE | TRACE | TRACE | 0.050 | TRACE | TRACE | 0.050 | TRACE | TRACE | TRACE | TRACE | TRACE | TRACE | TRACE | TRACE | TRACE | TRACE | TRACE |
| 1,2-DICHLOROETHANE | TRACE | TRACE | TRACE | 0.050 | TRACE | TRACE | 0.050 | TRACE | TRACE | TRACE | TRACE | TRACE | TRACE | TRACE | TRACE | TRACE | TRACE | TRACE |
| 1,1,1-TRICHLOROETHANE | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| N-BUTANOL | 0.067 | 0.062 | 0.073 | 0.079 | 0.067 | 0.080 | 0.069 | 0.081 | 0.092 | 0.087 | 0.095 | 0.11 | 0.15 | 0.17 | 0.15 | 0.24 | 0.063 | TRACE |
| BENZENE | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| CARBON TETRACHLORIDE | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| CARBON DISULFIDE | <0.050 | TRACE | <0.050 | TRACE | TRACE | TRACE | 0.050 | TRACE | TRACE | TRACE | TRACE | TRACE | TRACE | TRACE | TRACE | TRACE | TRACE | TRACE |
| 2-METHYL-2-PROPENAL | TRACE | TRACE | TRACE | 0.050 | TRACE | TRACE | 0.050 | TRACE | TRACE | 0.050 | TRACE | TRACE | 0.050 | TRACE | TRACE | TRACE | TRACE | TRACE |
| 3-BUTEN-2-ONE | <0.050 | TRACE | <0.050 | TRACE | <0.050 | TRACE | <0.050 | TRACE | <0.050 | <0.050 | TRACE | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| 2-ETHYXYETHANOL | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| DIMETHYLDISULFIDE | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| OCTAMETHYLCYCLOTETRASILOXANE | ## | ## | ## | ## | ## | ## | ## | ## | ## | ## | ## | ## | ## | ## | ## | ## | ## | ## |
| TOTAL ALCOHOLS PLUS ACETONE | 7.4 | 4.8 | 10 | 3.8 | 3.3 | 3.7 | 6.8 | 7.5 | 6.5 | 5.7 | 4.9 | 5.2 | 8.3 | 9.5 | 8.4 | 2.7 | 4.1 | |
| TARGET COMPOUNDS (GC)*** | | | | | | | | | | | | | | | | | | |
| CARBON MONOXIDE | TRACE | TRACE | TRACE | TRACE | <1.6 | <1.6 | <1.6 | <1.6 | <1.6 | <1.6 | <1.6 | <1.6 | <1.6 | <1.6 | TRACE | TRACE | TRACE | TRACE |
| METHANE | TRACE | TRACE | TRACE | TRACE | <1.6 | <1.6 | <1.6 | <1.6 | <1.6 | <1.6 | <1.6 | <1.6 | <1.6 | <1.6 | TRACE | TRACE | TRACE | TRACE |
| HYDROGEN</td | | | | | | | | | | | | | | | | | | |

* FROM GC/FID ANALYSIS

**BLANK CORRECTED

+ CORRECTED FOR ACETALDEHYDE

Present, subject to large, random variability, therefore not quantifiable

& POSSIBLE LEAK

< : Value is less than the laboratory report detection limit.

TRACE: Amount detected is sufficient for compound identification only.

*** Measurements are calibrated by multi-point initial calibration and verified by mid-point continuing calibration.